

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A housing having a liquid-tight electric bushing comprising: in which
an opening ~~(2) provided in the housing; and (1) is closed with a closure surrounding the electric bushing, characterized in that the closure is~~
a closure for the opening, the closure comprising a printed circuit board mounted to the housing and having at least first and second layers; (3) embodied in multiple layers, the first layer is a top side of the printed circuit board and spans the opening,
wherein a first contact element is disposed on the top side and in a bore through the first layer that extends to at least the second layer, and
wherein the second layer is a conductor track in the interior of the printed circuit board.
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) The housing as defined by claim 1 ~~one of the foregoing~~ claims, wherein the first layer ~~(4) is produced from an electrical insulation material.~~
5. (Currently Amended) The housing as defined by claim 1 ~~one of the foregoing~~ claims, wherein the first contact element ~~(10) is coupled connected electrically to a second contact element (12) via at least the second layer. one conductor track, guided in the interior of the printed circuit board (3) and forming a second layer (5).~~
6. (Cancelled)
7. (Currently Amended) The housing as defined by claim 5 ~~one of the foregoing~~ claims, wherein the second contact element ~~(12) is provided on an underside (U) that is located opposite the top side (O).~~

8. (Currently Amended) The housing as defined by claim 5, ~~one of the foregoing claims~~, wherein the second contact element (12) extends ~~is extended to the~~ to an outside at an edge of the printed circuit board (3).

9. (Currently Amended) The housing as defined by claim 1, ~~one of the foregoing claims~~, wherein the printed circuit board (3) is flexible.

10. (Currently Amended) The housing as defined by claim 1, ~~one of the foregoing claims~~, wherein the printed circuit board (3) ~~comprises~~ has a plurality of second layers (5), located one above the other, ~~of conductor tracks~~.

11. (Currently Amended) The housing as defined by claim 5, ~~one of the foregoing claims~~, wherein the first contact element (10) and the second contact element (12) ~~are coupled~~ connected via a plurality of conductor tracks, which are located one above the other and are electrically coupled ~~connected~~ to one another electrically conductively.

12. (Currently Amended) The housing as defined by claim 1, ~~one of the foregoing claims~~, wherein a seal (16) ~~is disposed~~ provided between the printed circuit board (3) and the housing (1).

13. (Currently Amended) The housing as defined by claim 12, ~~one of the foregoing claims~~, wherein a pressure plate contacts (14) ~~contacting~~ the underside (U) of the printed circuit board (3) ~~is provided for pressing and presses~~ the printed circuit board (3) against the seal (16).

14. (Currently Amended) The housing as defined by claim 1 ~~one of the foregoing claims~~, wherein ~~in the housing (1)~~, further comprises an X-ray tube, ~~is received~~.

15. (Currently Amended) A method of using ~~The use of~~ a printed circuit board (3) as ~~a closure for liquid-tight closing to close of a~~ an opening (2) provided in a housing (1) and as an electric bushing comprising:

mounting the printed circuit board comprising a first layer on the housing, wherein the first layer spans the opening and is the top side of the printed circuit board, and

disposing a first contact element on the top side and through a bore in the top side, wherein the bore extends at least as far as a second layer formed in the printed circuit board as a conductor track.

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) The ~~use~~ method as defined by claim 15, one of claims 15 through 17, wherein the method further includes producing the first layer (4) is produced from an electrical insulation material.

19. (Currently Amended) The ~~use-method~~ as defined by claim 15, one of claims 15 through 18, wherein the method further comprises connecting the first contact element (10) is connected electrically to a second contact element (12) via the second layer, the at least one conductor track, guided in the interior of the printed circuit board (3) and forming a second layer (5).

20. (Cancelled)

21. (Currently Amended) The ~~method use~~ as defined by claim 19, one of claims 15 through 20, wherein the method further comprises disposing the second contact element (12) is provided on an underside that is (U) located opposite the top side (O).

22. (Currently Amended) The ~~method-use~~ as defined by claim 19, one of claims 15 through 21, wherein the method further comprises extending the second contact element (12) is extended to an the outside at an edge of the printed circuit board (3).

23. (Currently Amended) The ~~method-use~~ as defined by claim 15, one of claims 15 through 22, wherein the method further comprises using the printed circuit board (3) that is flexible.

24. (Currently Amended) The ~~method-use~~ as defined by claim 15, one of claims 15

~~through 23~~, wherein the method comprises using the printed circuit board (3) ~~that~~ has a plurality of second layers ~~(5)~~, located one above the other ~~of conductor tracks~~.

25. (Currently Amended) The method-use as defined by claim 24, ~~one of claims 15 through 24~~, wherein the first contact element (10) and ~~the~~ a second contact element (12) are connected via a plurality of conductor tracks in alignment with each other, ~~located one above the other and connected to one another electrically conductively~~.

26. (Currently Amended) The method-use as defined by claim 15, ~~one of claims 15 through 25~~, wherein the method comprises disposing a seal (16) ~~is provided~~ between the printed circuit board (3) and the housing (1).

27. (Currently Amended) The method-use as defined by claim 26, ~~one of claims 15 through 26~~, wherein the method comprises using a pressure plate that contacts (14) ~~contacting~~ the underside (U) of the printed circuit board and presses (3) ~~is provided for pressing the~~ printed circuit board (3) against the seal (16).

28. (Currently Amended) The method-use as defined by claim 15, ~~one of claims 15 through 27~~, wherein the method further comprises using ~~in the housing (1)~~, an X-ray tube in the housing, ~~is received~~.